Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/27/2017 10:37 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124112	-1	1.33	123972	1.32
Blue	F	SSC	125000	123384	-2	2.81	123799	2.64
Blue	E	FITC	23795	22864	-4	2.47	1017	10.62
Blue	D	PE	29673	29237	-2	2.10	1051	9.72
Blue	B	PerCP-Cy5-5	48943	47940	-3	3.42	1378	16.96
Blue	A	PE-Cy7	44112	43535	-2	5.06	669	36.99
Red	C	APC	54273	53429	-2	2.85	3079	9.57
Red	A	APC-Cy7	54945	54067	-2	2.95	1117	11.63
Violet	B	V450	15756	14844	-6	4.25	713	8.93
Violet	A	V500	62569	61051	-3	4.02	2708	6.53

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19631	2.68	611	-3	N/A	N/A	Pass
Blue	F	SSC	61135	1.56	546	0	N/A	N/A	Pass
Blue	E	FITC	115	39.20	548	-2	0.0191	127	Pass
Blue	D	PE	230	29.82	546	0	0.1741	312	Pass
Blue	B	PerCP-Cy5-5	213	45.12	635	-4	0.0100	85	Pass
Blue	A	PE-Cy7	71	126.30	691	-8	0.0110	16	Pass
Red	C	APC	358	28.01	600	0	0.0199	67	Pass
Red	A	APC-Cy7	122	40.95	578	-6	0.0050	1261	Pass
Violet	B	V450	87	41.18	477	5	0.0497	1985	Pass
Violet	A	V500	197	22.57	506	7	0.0147	417	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.76	-31.21	0.81
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.33
Red	18.39	13.27 - 19.91	N/A	N/A	31.42	31.86	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11113

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments